

IN THE SPECIFICATION:

Please enter the following replacement Table LH-1 as a replacement for the table commencing on page 39, line 23, and extending onto the top of page 41. Note, the following table continues onto the next two pages as well.

Table LH-1

FOM_ID	First order model ID (providing this Location Hypothesis); note, since it is possible for location hypotheses to be generated by other than the FOMs 1224, in general, this field identifies the module that generated this location hypothesis.
MS_ID	The identification of the target MS 140 to this location hypothesis applies.
pt_est	The most likely location point estimate of the target MS 140.
valid_pt	Boolean indicating the validity of "pt_est".
area_est	Location Area Estimate of the target MS 140 provided by the FOM. This area estimate will be used whenever "image_area" below is NULL.
valid_area	Boolean indicating the validity of "area_est" (one of "pt_est" and "area_est" must be valid).
adjust	Boolean (true if adjustments to the fields of this location hypothesis are to be performed in the Context adjuster Module).
pt_covering	Reference to a substantially minimal area (e.g., mesh cell) covering of "pt_est". Note, since this MS 140 may be substantially on a cell boundary, this covering may, in some cases, include more than one cell.
image_area	Reference to a substantially minimal area (e.g., mesh cell) covering of "pt_covering" (see detailed description of the function, "confidence_adjust"). Note that if this field is not NULL, then this is the target MS location estimate used by the location center 142 instead of "area_est".

extrapolation_area	Reference to (if non-NULL) an extrapolated MS target estimate area provided by the location extrapolator submodule 1432 of the hypothesis analyzer 1332. That is, this field, if non-NULL, is an extrapolation of the “image_area” field if it exists, otherwise this field is an extrapolation of the “area_est” field. Note other extrapolation fields may also be provided depending on the embodiment of the present invention, such as an extrapolation of the “pt_covering”.
confidence	A real value in the range [-1.0, +1.0] indicating a likelihood that the target MS 140 is in (or out) of a particular area. If positive: if “image_area” exists, then this is a measure of the likelihood that the target MS 140 is within the area represented by “image_area”, or if “image_area” has not been computed (e.g., “adjust” is FALSE), then “area_est” must be valid and this is a measure of the likelihood that the target MS 140 is within the area represented by “area_est”. If negative, then “area_est” must be valid and this is a measure of the likelihood that the target MS 140 is NOT in the area represented by “area_est”. If it is zero (near zero), then the likelihood is unknown.
Original_Timestamp	Date and time that the location signature cluster (defined hereinbelow) for this location hypothesis was received by the signal processing subsystem 1220.
Active_Timestamp	Run-time field providing the time to which this location hypothesis has had its MS location estimate(s) extrapolated (in the location extrapolator 1432 of the hypothesis analyzer 1332). Note that this field is initialized with the value from the “Original_Timestamp” field.
Processing Tags and environmental categorizations	For indicating particular types of environmental classifications not readily determined by the “Original_Timestamp” field (e.g., weather, traffic), and restrictions on location hypothesis processing.
loc_sig_cluster	Provides access to the collection of location signature signal characteristics derived from communications between the target MS 140 and the base station(s) detected by this MS (discussed in detail

	hereinbelow); in particular, the location data accessed here is provided to the first order models by the signal processing subsystem 1220; i.e., access to the “loc sigs” (received at “timestamp” regarding the location of the target MS)
descriptor	Original descriptor (from the First order model indicating why/how the Location Area Estimate and Confidence Value were determined).